𝒥. Woitach

#10

ENTERED

```
        RAW SEQUENCE LISTING            DATE: 09/19/2000
        PATENT APPLICATION:  US/09/508,516    TIME: 18:22:31

        Input Set : A:\78883119.app
        Output Set: N:\CRF3\09192000\I508516.raw

 3 <110> APPLICANT: BEBBINGTON, CHRIS
 4       KINGSMAN, SUSAN
 5       UDEN, MARK
 6       KINGSMAN, ALAN
 7       MITROPHANOS, KYRIACOS
 9 <120> TITLE OF INVENTION: RETROVIRAL VECTORS COMPRISING A FUNCTIONAL SPLICE DONOR
10       SITE AND A FUNCTIONAL SPLICE ACCEPTOR SITE
12 <130> FILE REFERENCE: 078883/0119
14 <140> CURRENT APPLICATION NUMBER: 09/508,516
15 <141> CURRENT FILING DATE: 2000-06-08
17 <150> PRIOR APPLICATION NUMBER: 9720465.5
18 <151> PRIOR FILING DATE: 1997-09-25
20 <150> PRIOR APPLICATION NUMBER: PCT/GB98/02867
21 <151> PRIOR FILING DATE: 1998-09-23
23 <160> NUMBER OF SEQ ID NOS: 36
25 <170> SOFTWARE: PatentIn Ver. 2.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 5689
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Description of Artificial Sequence: MLV pICUT
35 <400> SEQUENCE: 1
36 gctagcttaa gtaacgccac tttgcaaggc atggaaaaat acataactga gaatagaaaa 60
37 gttcagatca aggtcaggaa caaagaaaca gctgaatacc aaacaggata tctgtggtaa 120
38 gcggttcctg ccccggctca gggccaagaa cagatgagac agctgagtga tgggccaaac 180
39 aggatatctg tggtaagcag ttcctgcccc ggctcaggcc caagaacaga tggtccccag 240
40 atgcggtcca gccctcagca gtttctagtg aatcatcaga tgtttccagg gtgccccaag 300
41 gacctgaaaa tgaccctgta ccttatttga actaaccaat cagttcgctt ctcgcttctg 360
42 ttcgcgcgct tccgctctcc gagctcaata aaagagccca caacccctca ctcggcgcgc 420
43 cagtcttccg atagactgcg tcgcccgggt accgtattc caataaagc ctcttgctgt 480
44 ttgcatccga atcgtggtct cgctgttcct tgggagggtc tcctctgagt gattgactac 540
45 ccacgacggg ggtctttcat ttgggggctc gtccgggatt tggagacccc tgcccaggga 600
46 ccaccgaccc accaccggga ggcaagctgg ccagcaactt atctgtgtct gtccgattgt 660
47 ctagtgtcta tgtttgatgt tatgcgcctg cgtctgtact agttagctaa ctagctctgt 720
48 atctggcgga cccgtggtgg aactgacgag ttctgaacac ccggccgcaa ccctgggaga 780
49 cgtcccaggg actttggggg ccgttttttgt ggcccgacct gaggaaggga gtcgatgtgg 840
50 aatccgaccc cgtcaggata tgtggttctg gtaggagacg agaacctaaa acagttcccg 900
51 cctccgtctg aatttttgct ttcggtttgg aaccgaagcc gcgcgtcttg tctgctgcag 960
52 cgctgcagca tcgttctgtg ttgtctctgt ctgactgtgt ttctgtattt gtctgaaaat 1020
53 tagggccaga ctgttaccac tcccttaagt ttgaccttag gtcactggaa agatgtcgag 1080
54 cggatcgctc acaaccagtc ggtagatgtc aagaagagac gttgggttac cttctgctct 1140
55 gcagaatggc caacctttaa cgtcggatgg ccgcgagacg gcacctttaa ccgagacctc 1200
56 atcacccagg ttaagatcaa ggtcttttca cctgccccgc atggacaccc agaccaggtc 1260
57 ccctacatcg tgacctggga agccttggct tttgaccccc ctccctgggt caagcccttt 1320
58 gtacaccccta agcctccgcc tcctcttcct ccatccgccc cgtctctccc ccttgaacct 1380
59 cctcgttcga ccccgcctcg atcctccctt tatccagccc tcactccttc tctaggcgcc 1440
```

RAW SEQUENCE LISTING   DATE: 09/19/2000
PATENT APPLICATION: US/09/508,516   TIME: 18:22:31

Input Set : A:\78883119.app
Output Set: N:\CRF3\09192000\I508516.raw

```
 60 ggaattcgtt aactcgagga tctaacctag gtctcgagtg tttaaacact gggcttgtcg 1500
 61 agacagagaa gactcttgcg tttctgatag gcacctattg gtcttactga catccacttt 1560
 62 gcctttctct ccacaggtga ggcctaggct tttgcaaaaa gcttgggctg caggtcgagg 1620
 63 cggatctgat caagagacag gatgaggatc gtttcgcatg attgaacaag atggattgca 1680
 64 cgcaggttct ccggccgctt gggtggagag gctattcggc tatgactggg cacaacagac 1740
 65 aatcggctgc tctgatgccg ccgtgttccg gctgtcagcg cagggacgcc cggttctttt 1800
 66 tgtcaagacc gacctgtccg gtgccctgaa tgaactgcag gacgaggcag cgcggctatc 1860
 67 gtggctggcc acgacgggcg ttccttgcgc agctgtgctc gacgttgtca ctgaagcggg 1920
 68 aagggactgg ctgctattgg gcgaagtgcc ggggcaggat ctcctgtcat ctcaccttgc 1980
 69 tcctgccgag aaagtatcca tcatggctga tgcaatgcgg cggctgcata cgcttgatcc 2040
 70 ggctacctgc ccattcgacc accaagcgaa acatcgcatc gagcgagcac gtactcggat 2100
 71 ggaagccggt cttgtcgatc aggatgatct ggacgaagag catcaggggc tcgcgccagc 2160
 72 cgaactgttc gccaggctca aggcgcgcat gcccgacggc gaggatctcg tcgtgaccca 2220
 73 tggcgatgcc tgcttgccga atatcatggt ggaaaatggc cgcttttctg gattcatcga 2280
 74 ctgtggccgg ctgggtgtgg cggaccgcta tcaggacata gcgttggcta cccgtgatat 2340
 75 tgctgaagag cttggcggcg aatgggctga ccgcttcctc gtgctttacg gtatcgccgc 2400
 76 tcccgattcg cagcgcatcg ccttctatcg ccttcttgac gagttcttct gagcgggact 2460
 77 ctgggggttcg ataaaataaa agatttttatt tagtctccag aaaaaggggg gaatgaaaga 2520
 78 ccccacctgt aggtttggca agctagctta agtaacgcca ttttgcaagg catggaaaaa 2580
 79 tacataactg agaatagaga agttcagatc aaggtcagga acagatggaa cagctgaata 2640
 80 tgggccaaac aggatatctg tggtaagcag ttcctgcccc ggctcagggc caagaacaga 2700
 81 tggaacagct gaatatgggc caaacaggat atctgtggta agcagttcct gccccggctc 2760
 82 agggccaaga acagatggtc cccagatgcg gtccagccct cagcagtttc tagagaacca 2820
 83 tcagatgttt ccagggtgcc ccaaggacct gaaatgaccc tgtgccttat ttgaactaac 2880
 84 caatcagttc gcttctcgct tctgttcgcg cgcttctgct ccccgagctc aataaaagag 2940
 85 cccacaaccc ctcactcggg gcgccgttaa cactagtaag cttgctctaa ggtaaatatg 3000
 86 tcgacaggcc tgcgccagtc ctccgattga ctgagtcgcc cgggtacccg tgtatccaat 3060
 87 aaaccctctt gcagttgcat ccgacttgtg gtctcgctgt tccttgggag ggtctcctct 3120
 88 gagtgattga ctacccgtca gcgggggtct ttcatttggg ggctcgtccg ggatcgggag 3180
 89 acccctgccc agggaccacc gacccaccac cgggaggtaa gctggctgcc tcgcgcgttt 3240
 90 cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct 3300
 91 gtaagcggat gccgggagca gacaagcccg tcagggcgcg tcagcgggtg ttggcgggtg 3360
 92 tcggggcgca gccatgaccc agtcacgtag cgatagcgga gtgtatactg gcttaactat 3420
 93 gcggcatcag agcagattgt actgagagtg caccatatgc ggtgtgaaat accgcacaga 3480
 94 tgcgtaagga gaaaataccg catcaggcgc tcttccgctt cctcgctcac tgactcgctg 3540
 95 cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta 3600
 96 tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc 3660
 97 aggaaccgta aaaaggccgc gttgctggcg ttttttccata ggctccgccc cctgacgag 3720
 98 catcacaaaa atcgacgctc aagtcagagg tggcgaaacc cgacaggact ataaagatac 3780
 99 caggcgtttc cccctggaag ctccctcgtg cgctctcctg ttccgaccct gccgcttacc 3840
100 ggatacctgt ccgcctttct cccttcggga agcgtggcgc tttctcatag ctcacgctgt 3900
101 aggtatctca gttcggtgta ggtcgttcgc tccaagctgg gctgtgtgca cgaaccccccc 3960
102 gttcagcccg accgctgcgc cttatccggt aactatcgtc ttgagtccaa cccggtaaga 4020
103 cacgacttat cgccactggc agcagccact ggtaacagga ttagcagagc gaggtatgta 4080
104 ggcggtgcta cagagttctt gaagtggtgg cctaactacg gctacactag aaggacagta 4140
105 tttggtatct gcgctctgct gaagccagtt accttcggaa aaagagttgg tagctcttga 4200
106 tccggcaaac aaaccaccgc tggtagcggt ggtttttttg tttgcaagca gcagattacg 4260
107 cgcagaaaaa aaggatctca agaagatcct ttgatctttt ctacggggtc tgacgctcag 4320
108 tggaacgaaa actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttcacc 4380
```

RAW SEQUENCE LISTING   DATE: 09/19/2000
PATENT APPLICATION: US/09/508,516   TIME: 18:22:31

Input Set : A:\78883119.app
Output Set: N:\CRF3\09192000\I508516.raw

```
109 tagatccttt taaattaaaa atgaagtttt aaatcaatct aaagtatata tgagtaaact 4440
110 tggtctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcgat ctgtctattt 4500
111 cgttcatcca tagttgcctg actccccgtc gtgtagataa ctacgatacg ggagggctta 4560
112 ccatctggcc ccagtgctgc aatgataccg cgagacccac gctcaccggc tccagattta 4620
113 tcagcaataa accagccagc cggaagggcc gagcgcagaa gtggtcctgc aactttatcc 4680
114 gcctccatcc agtctattaa ttgttgccgg gaagctagag taagtagttc gccagttaat 4740
115 agtttgcgca acgttgttgc cattgctgca ggcatcgtgg tgtcacgctc gtcgtttggt 4800
116 atggcttcat tcagctccgg ttcccaacga tcaaggcgag ttacatgatc ccccatgttg 4860
117 tgcaaaaaag cggttagctc cttcggtcct ccgatcgttg tcagaagtaa gttggccgca 4920
118 gtgttatcac tcatggttat ggcagcactg cataattctc ttactgtcat gccatccgta 4980
119 agatgctttt ctgtgactgg tgagtactca accaagtcat tctgagaata gtgtatgcgg 5040
120 cgaccgagtt gctcttgccc ggcgtcaaca cgggataata ccgcgccaca tcagcagaact 5100
121 ttaaaagtgc tcatcattgg aaaacgttct tcggggcgaa aactctcaag gatcttaccg 5160
122 ctgttgagat ccagttcgat gtaacccact cgtgcaccca actgatcttc agcatctttt 5220
123 actttcacca gcgtttctgg gtgagcaaaa acaggaaggc aaaatgccgc aaaaaaggga 5280
124 ataagggcga cacggaaatg ttgaatactc atactcttcc tttttcaata ttattgaagc 5340
125 atttatcagg gttattgtct catgagcgga tacatatttg aatgtattta gaaaaataaa 5400
126 caaatagggg ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaccatt 5460
127 attatcatga cattaaccta taaaaatagg cgtatcacga ggccctttcg tcttcaagaa 5520
128 ttcataccag atcaccgaaa actgtcctcc aaatgtgtcc ccctcacact cccaaattcg 5580
129 cgggcttctg cctcttagac cactctaccc tattccccac actcaccgga gccaaagccg 5640
130 cggcccttcc gtttctttgc ttttgaaaga ccccacccgt aggtggcaa            5689
133 <210> SEQ ID NO: 2
134 <211> LENGTH: 9756
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence: pEICUT-LacZ
141 <400> SEQUENCE: 2
142 tgaataataa aatgtgtgtt tgtccgaaat acgcgttttg agatttctgt cgccgactaa 60
143 attcatgtcg cgcgatagtg gtgtttatcg ccgatagaga tggcgatatt ggaaaaattg 120
144 atatttgaaa atatggcata ttgaaaatgt cgccgatgtg agtttctgtg taactgatat 180
145 cgccattttt ccaaaagtga ttttttgggca tacgcgatat ctggcgatag cgcttatatc 240
146 gtttacgggg gatggcgata gacgacgtttg gtgacttggg cgattctgtg tgtcgcaaat 300
147 atcgcagttt cgatatggt gacagacgat atgaggctat atcgccgata gaggcgacat 360
148 caagctggca catggccaat gcatatcgat ctatacattg aatcaatatt ggccattagc 420
149 catattattc attggttata tagcataaat caatattggc tattggccat tgcatacgtt 480
150 gtatccatat cgtaatatgt acatttatat tggctcatgt ccaacattac cgccatgttg 540
151 acattgatta ttgactagtt attaatagta atcaattacg gggtcattag ttcatagccc 600
152 atatatggag ttccgcgtta cataacttac ggtaaatggc ccgcctggct gaccgcccaa 660
153 cgacccccgc ccattgacgt caataatgac gtatgttccc atagtaacgc caatagggac 720
154 tttccattga cgtcaatggg tggagtattt acggtaaact gcccacttgg cagtacatca 780
155 agtgtatcat atgccaagtc cgccccctat tgacgtcaat gacggtaaat ggcccgcctg 840
156 gcattatgcc cagtacatga ccttacggga ctttcctact tggcagtaca tctacgtatt 900
157 agtcatcgct attaccatgg tgatgcggtt ttggcagtac accaatgggc gtggatagcg 960
158 gtttgactca cggggatttc caagtctcca ccccattgac gtcaatggga gtttgttttg 1020
159 gcaccaaaat caacgggact ttccaaaatg tcgtaacaac tgcgatcgcc cgccccgttg 1080
160 acgcaaatgg gcggtaggcg tgtacggtgg gaggtctata taagcagagc tcgtttagtg 1140
161 aaccgggcac tcagattctg cggtctgagt cccttctctg ctgggctgaa aaggcctttg 1200
```

```
162 taataaatat aattctctac tcagtccctg tctctagttt gtctgttcga gatcctacag 1260
163 ttggcgcccg aacagggacc tgagaggggc gcagacccta cctgttgaac ctggctgatc 1320
164 gtaggatccc cgggacagca gaggagaact tacagaagtc ttctggaggt gttcctggcc 1380
165 agaacacagg aggacaggta agatgggaga ccctttgaca tggagcaagg cgctcaagaa 1440
166 gttagagaag gtgacggtac aagggtctca gaaattaact actggtaact gtaattgggc 1500
167 gctaagtcta gtagacttat ttcatgatac caactttgta aaagaaaagg actctagagt 1560
168 cgaccccctc gacgtttaaa cactgggctt gtcgagacag agaagactct tgcgtttctg 1620
169 ataggcacct attggtctta ctgacatcca ctttgccttt ctctccacag gtcacgtgaa 1680
170 gctagcctcg aggatctgcg gatccgggga attccccagt ctcaggatcc accatggggg 1740
171 atcccgtcgt tttacaacgt cgtgactggg aaaaccctgg cgttacccaa cttaatcgcc 1800
172 ttgcagcaca tcccccttc gccagctggc gtaatagcga gaggcccgc accgatcgcc 1860
173 cttcccaaca gttgcgcagc ctgaatggcg aatggcgctt tgcctggttt ccggcaccag 1920
174 aagcggtgcc ggaaagctgg ctggagtgcg atcttcctga ggccgatact gtcgtcgtcc 1980
175 cctcaaactg gcagatgcac ggttacgatg cgcccatcta caccaacgta acctatccca 2040
176 ttacggtcaa tccgccgttt gttcccacgg agaatccgac gggttgttac tcgctcacat 2100
177 ttaatgttga tgaaagctgg ctacaggaag gccagacgcg aattattttt gatggcgtta 2160
178 actcggcgtt tcatctgtgg tgcaacgggc gctgggtcgg ttacggccag gacagtcgtt 2220
179 tgccgtctga atttgacctg agcgcatttt tacgcgccgg agaaaaccgc ctcgcggtga 2280
180 tggtgctgcg ttggagtgac ggcagttatc tggaagatca ggatatgtgg cggatgagcg 2340
181 gcattttccg tgacgtctcg ttgctgcata aaccgactac acaaatcagc gatttccatg 2400
182 ttgccactcg ctttaatgat gatttcagcc gcgctgtact ggaggctgaa gttcagatgt 2460
183 gcggcgagtt gcgtgactac ctacgggtaa cagtttcttt atggcagggt gaaacgcagg 2520
184 tcgccagcgg caccgcgcct ttcggcggtg aaattatcga tgacgtggt ggttatgccg 2580
185 atcgcgtcac actacgtctg aacgtcgaaa acccgaaact gtggagcgcc gaaatcccga 2640
186 atctctatcg tgcggtggtt gaactgcaca ccgccgacgg cacgctgatt gaagcagaag 2700
187 cctgcgatgt cggtttccgc gaggtgcgga ttgaaaatgg tctgctgctg ctgaacggca 2760
188 agccgttgct gattcgaggc gttaaccgtc acgagcatca tcctctgcat ggtcaggtca 2820
189 tggatgagca gacgatggtg caggatatcc tgctgatgaa gcagaacaac tttaacgccg 2880
190 tgcgctgttc gcattatccg aaccatccgc tgtggtacac gctgtgcgac cgctacggcc 2940
191 tgtatgtggt ggatgaagcc aatattgaaa cccacggcat ggtgccaatg aatcgtctga 3000
192 ccgatgatcc gcgctggcta ccggcgatga gcgaacgcgt aacgcgaatg gtgcagcgcg 3060
193 atcgtaatca cccgagtgtg atcatctggt cgctgggga tgaatcaggc cacggcgcta 3120
194 atcacgacgc gctgtatcgc tggatcaaat ctgtcgatcc ttcccgcccg gtgcagtatg 3180
195 aaggcggcgg agccgacacc acggccaccg atattatttg cccgatgtac gcgcgcgtgg 3240
196 atgaagacca gcccttcccg gctgtgccga aatggtccat caaaaaatgg ctttcgctac 3300
197 ctggagagac gcgcccgctg atcctttgcg aatacgccca cgcgatgggg aacagtcttg 3360
198 gcggtttcgc taaatactgg caggcgtttc gtcagtatcc ccgtttacag ggcggcttcg 3420
199 tctgggactg ggtggatcag tcgctgatta aatatgatga aaacggcaac ccgtggtcgg 3480
200 cttacggcgg tgattttggc gatacgccga acgatccgcca gttctgtatg aacggtctgg 3540
201 tctttgccga ccgcacgccg catccagcgc tgacggaagc aaaacaccag cagcagtttt 3600
202 tccagttccg tttatccggg caaaccatcg aagtgaccag cgaatacctg ttccgtcata 3660
203 gcgataacga gctcctgcac tggatggtgg cgctggatgg taagccgctg gcaagcggtg 3720
204 aagtgcctct ggatgtcgct ccacaaggta aacagttgat tgaactgcct gaactaccgc 3780
205 agccggagag cgccgggcaa ctctggctca cagtacgcgt agtgcaaccg aacgcgaccg 3840
206 catggtcaga agccgggcac atcagcgcct ggcagcagtg gcgtctggcg gaaaacctca 3900
207 gtgtgacgct ccccgccgcg tcccacgcca tcccgcatct gaccaccagc gaaatggatt 3960
208 tttgcatcga gctgggtaat aagcgttggc aatttaaccg ccagtcaggc tttctttcac 4020
209 agatgtggat tggcgataaa aaacaactgc tgacgccgct gcgcgatcag ttcacccgtg 4080
210 caccgctgga taacgacatt ggcgtaagtg aagcgacccg cattgaccct aacgcctggg 4140
```

RAW SEQUENCE LISTING   DATE: 09/19/2000
PATENT APPLICATION: US/09/508,516   TIME: 18:22:31

Input Set : A:\78883119.app
Output Set: N:\CRF3\09192000\I508516.raw

```
211 tcgaacgctg gaaggcggcg ggccattacc aggccgaagc agcgttgttg cagtgcacgg 4200
212 cagatacact tgctgatgcg gtgctgatta cgaccgctca cgcgtggcag catcagggga 4260
213 aaaccttatt tatcagccgg aaaacctacc ggattgatgg tagtggtcaa atggcgatta 4320
214 ccgttgatgt tgaagtggcg agcgatacac cgcatccggc gcggattggc ctgaactgcc 4380
215 agctggcgca ggtagcagag cgggtaaact ggctcggatt agggccgcaa gaaaactatc 4440
216 ccgaccgcct tactgccgcc tgttttgacc gctgggatct gccattgtca gacatgtata 4500
217 ccccgtacgt cttcccgagc gaaaacggtc tgcgctgcgg gacgcgcgaa ttgaattatg 4560
218 gcccacacca gtggcgcggc gacttccagt tcaacatcag ccgctacagt caacagcaac 4620
219 tgatggaaac cagccatcgc catctgctgc acgcggaaga aggcacatgg ctgaatatcg 4680
220 acggtttcca tatggggatt ggtggcgacg actcctggag cccgtcagta tcggcggaat 4740
221 tccagctgag cgccggtcgc taccattacc agttggtctg gtgtcaaaaa taataataac 4800
222 cgggcagggg ggatccgcag atccggctgt ggaatgtgtg tcagttaggg tgtggaaagt 4860
223 ccccaggctc cccagcaggc agaagtatgc aaagcatgcc tgcagcccgg gggatccact 4920
224 agtgtatgtt tagaaaaaca aggggggaac tgtgggggttt ttatgagggg ttttataaat 4980
225 gattataaga gtaaaaagaa agttgctgat gctctcataa ccttgtataa cccaaaggac 5040
226 tagctcatgt tgctaggcaa ctaaaccgca ataaccgcat ttgtgacgcg agttccccat 5100
227 tggtgacgcg ttttgagatt tctgtcgccg actaaattca tgtcgcgcga tagtggtgtt 5160
228 tatcgccgat agagatggcg atattggaaa aattgatatt tgaaaatatg gcatattgaa 5220
229 aatgtcgccg atgtgagttt ctgtgtaact gatatcgcca ttttttccaaa agtgattttt 5280
230 gggcatacgc gatatctggc gatagcgctt atatcgttta cgggggatgg cgatagacga 5340
231 ctttggtgac ttgggcgatt ctgtgtgtcg caaatatcgc agtttcgata taggtgacag 5400
232 acgatatgag gctatatcgc cgatagaggc gacatcaagc tggcacatgg ccaatgcata 5460
233 tcgatctata cattgaatca atattggcca ttagccatat tattcattgg ttatatagca 5520
234 taaatcaata ttggctattg gccattgcat acgttgtatc catatcgtaa tatgtacatt 5580
235 tatattggct catgtccaac attaccgcca tgttgacatt gattattgac tagttattaa 5640
236 tagtaatcaa ttacggggtc attagttcat agcccatata tggagttccg cgttacataa 5700
237 cttacggtaa atggcccgcc tggctgaccg cccaacgacc cccgcccatt gacgtcaata 5760
238 atgacgtatg ttcccatagt aacgccaata gggactttcc attgacgtca atgggtggag 5820
239 tatttacggt aaactgccca cttggcagta catcaagtgt atcatatgcc aagtccgccc 5880
240 cctattgacg tcaatgacgg taaatggccc gcctggcatt atgcccagta catgacctta 5940
241 cgggactttc ctacttggca gtacatctac gtattagtca tcgctattac catggtgatg 6000
242 cggttttggc agtacaccaa tgggcgtgga tagcggtttg actcacgggg atttccaagt 6060
243 ctccacccca ttgacgtcaa tgggagtttg ttttggcacc aaaatcaacg ggactttcca 6120
244 aaatgtcgta acaactgcga tcgcccgccc cgttgacgca aatgggcggt aggcgtgtac 6180
245 ggtgggaggt ctatataagc agagctcgtt tagtgaaccg acttaagtct tcctgcaggt 6240
246 gctctaaggt aaatagggca ctcagattcc gcggtctgag tcccttctct gctgggctga 6300
247 aaaggccttt gtaataaata taattctcta ctcagtccct gtctctagtt tgtctgttcg 6360
248 agatcctaca gttggcgccc gaacagggac ctgagagggg cgcagaccct acctgttgaa 6420
249 cctggctgat cgtaggatcc ccggccaggt gtggaaagtc cccaggctcc ccagcaggca 6480
250 gaagtatgca aagcatgcat ctcaattagt cagcaaccat agtcccgccc ctaactccgc 6540
251 ccatcccgcc cctaactccg cccagttccg cccattctcc gccccatggc tgactaattt 6600
252 tttttattta tgcagaggcc gaggccgcct cggcctctga gctattccag aagtagtgag 6660
253 gaggcttttt tggaggccta ggcttttgca aaaagcttga ttcttctgac acaacagtct 6720
254 cgaacttaag gctagagcca ccatgattga acaagatgga ttgcacgcag gttctccggc 6780
255 cgcttgggtg gagaggctat tcggctatga ctgggcacaa cagacaatcg gctgctctga 6840
256 tgccgccgtg ttccggctgt cagcgcaggg gcgcccggtt ctttttgtca agaccgacct 6900
257 gtccggtgcc ctgaatgaac tgcaggacga ggcagcgcgg ctatcgtggc tggccacgac 6960
258 gggcgttcct tgcgcagctg tgctcgacgt tgtcactgaa gcgggaaggg actggctgct 7020
259 attgggcgaa gtgccggggc aggatctcct gtcatctcac cttgctcctg ccgagaaagt 7080
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/508,516

DATE: 09/19/2000
TIME: 18:22:32

Input Set : A:\78883119.app
Output Set: N:\CRF3\09192000\I508516.raw